

## Specifications and Description

### The "SENSIBALL"

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The "SENSIBALL" uses a sensory device embedded inside of a football, to monitor the balls progress, by either GPS satellite tracking, or laser technology. The "SENSIBALL", when used in American football applications would accurately determine the "spotting" of the football by the yardage officials in crucial situations. Yards gained or lost could then be verified or possibly over ruled.

The "SENSIBALL" would incorporate paper thin "sensor strips" which would be laced inside of the ball in a linear fashion. (see fig.1). These "sensor strips" would be concealed beneath the balls outer skin, and would in no way distort the balance or shape of the football.

The "SENSIBALL" would then work in conjunction with "contact plates" located below the playing surface of the football field. GPS applications would map the playing field, and "track" the football as a "target". (weather permitting).

Laser applications would require these flexible "contact plates" to be buried  $\pm 6$ " below a natural grass surface, and on an artificial surface the "plates" could be installed just beneath the turf.

The "contact plates" would emit invisible pulses of laser light, which would correspond with the "sensor strips" on the ball thus giving its precise location in relationship to the markings on the playing field. (see fig. 2). The "contact plates" would be precisely the same width as each yard line, side line, and end zone, and these "plates" would be centrally connected to the head referee's viewing monitor. (see fig.3).

The "SENSIBALL" would revolutionize the game of American football, from a game of inches to a game of one thousandths of an inch.

In conclusion, the "SENSIBALL" would be useful in disputed yardage gains or losses, or even touch downs, but would not necessarily replace the Head linesman, or other official yard keepers, but it would become an accurate asset to the game.

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